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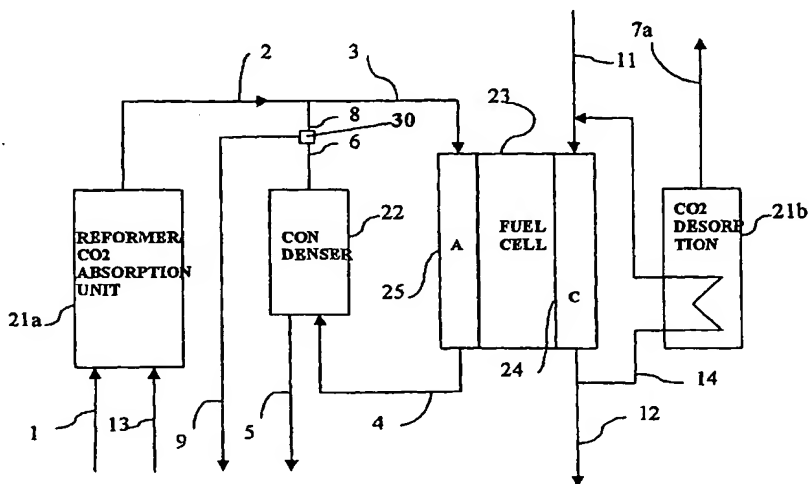
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0221304.9 13 September 2002 (13.09.2002) GB</p> <p>(71) Applicant (for all designated States except US): PRO-TOTECH AS [NO/NO]; Fantoftvegen 38, P.O. Box 6034, Postterminalen, N-5892 Bergen (NO).</p> <p>(71) Applicant (for MW only): SAMUELS, Adrian, James [GB/GB]; c/o Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).</p> | <p>(72) Inventors; and
(75) Inventors/Applicants (for US only): VIK, Arild [NO/NO]; Slettenveien 76, N-5258 Blomsterdalen (NO). RÅHEIM, Arne [NO/NO]; Store Prestrudveien 45, N-2315 Hamar (NO).</p> <p>(74) Agent: FRANK B. DEHN & CO.; 179 Queen Victoria Street, London EC4V 4EL (GB).</p> <p>(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p>(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),</p> |
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- (54) Title: POWER GENERATION APPARATUS**



(57) Abstract: A power generation apparatus comprises a fuel cell and a reforming module, wherein the reforming module is adapted to reform hydrocarbon fuel into hydrogen and other components, and to separate said hydrogen from said other components. The apparatus is arranged so that said hydrogen is fed from the reforming module to the anode of the fuel cell. Carbon dioxide may be separated in the reforming module. Hydrogen may be recycled from the anode outflow back to the anode and/or tapped off. The apparatus may also contain a desorption module for releasing carbon dioxide. The absorption and release of carbon dioxide may be integrated and the carbon dioxide absorbent and/or desorbent may be recycled. Components of the apparatus may be thermally integrated. The apparatus may be used to generate electricity and produce hydrogen.

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INTERNATIONAL SEARCH REPORT

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2002/098394 A1 (ROY SURAJIT ET AL) 25 July 2002 (2002-07-25) paragraphs '0098! - '0105!; figure 6 ----- -/--	1-31

☒ Further documents are listed in the continuation of box C.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 01/42132 A (UNIV CALIFORNIA) 14 June 2001 (2001-06-14)	30
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